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Pennsylvania Avenue, N.W., Washington, DC 20006 (US).(81) Designated States: AU, CA, JP, European patent (AT, BE,  
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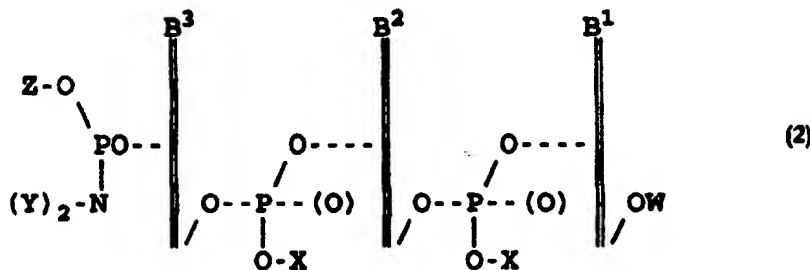
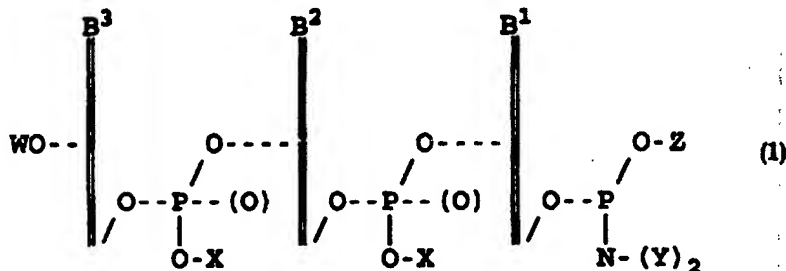
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(54) Title: CODON AMIDITES AND METHOD OF USING THEM TO PRODUCE OLIGONUCLEOTIDES AND MUTAGENESIS  
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## (57) Abstract

Compounds of formula  
(1) or (2) wherein W, X, Y  
and Z are each independently  
hydrogen or a protecting  
group; B<sup>1</sup>, B<sup>2</sup> and B<sup>3</sup> are each  
independently a base selected  
from the group consisting  
of adenine, guanine, cytosine,  
thymine and uracil; and ||  
is the residue of a ribose or  
deoxyribose, and methods  
for their synthesis and use are  
disclosed.





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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 95/15319

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C07H21/00 C12N15/09 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07H C12N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO, A, 93, 21203 (THE JOHNS HOPKINS UNIVERSITY) 28 October 1993 see page 6	1-3,6-11
P,X	NUCLEIC ACIDS RESEARCH, vol. 22, no. 25, 25 December 1994, OXFORD GB, pages 5600-5607, XP002002308 VIRENKAS B. ET AL: "Trinucleotide phosphoramidites: ideal reagents for the synthesis of mixed oligonucleotides for random mutagenesis" see the whole document --- -/-	1-3,6-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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